

Volume 19, Issue 44, the week of 17 February 2020

HF Happenings www.sarl.org.za/hf_happenings.asp



60 Metres News

W8GEX & 60 m DX News reports the following: Amateurs in all French territories now have access to the new WRC-15 60 m Secondary Allocation of 5351.5-5366.5 kHz at a maximum power of 15 W EIRP following the publication in the French Official Journal of the order establishing it. The French national amateur radio society, REF, advocates the use of the IARU 60 m Bandplan. <https://www.r-e-f.org>

5Z4/G3AB Logs

Tim, M0URX has received the 5Z4/G3AB log update for the most recent FT8 QSOs. "Andy was not able to send me the CW log at the same time. So, if you have made a CW QSO since 8 January, please stand by until we have been able to upload the full log. Due to Andy's workload the log updates will be sporadic, so please be patient."

VP8PJ South Orkney DXpedition News

Gene, K5GS, reports on Tuesday 11 February, "Most of team arrived in Punta Arenas, Chile, with the longest travel time being 40 hours - Perth, Australia => Sydney => Auckland => Santiago, Chile => Punta Arenas. The remainder of the team is due in on Wednesday. Braveheart expected in on 13 or 14 February, we load the ship on the 14th and depart for Signy Island on 15 February. Depending on the weather, 6 days travel time to the island..... we have selected the call sign ZL1NA/MM for use during the transit between Punta Arenas -> Signy Island -> Punta Arenas.

QSL Manager: Tim Beaumont, M0UWX.com. Please, do not send Bureau cards, use the OQRS for free Bureau cards. (<https://sorkney.com/qsl/>) The donation process for VP8PJ will also count as a ZL1NA/MM donation. However, there is no internet on the ship, log and LoTW uploads will be done at a later date.

February 2020

- 18 - Highway ARC meeting
- 22 - Cape Town ARC meeting
- 23 - SARL RTTY Contest
- 27 - International Milk Tart Day
- 29 - SARL 95 40 m Club Sprint; West Rand Flea Market

March

- 1 - SARL Hamnet 40 m contest
- 3 - World Wildlife Day
- 5 to 8 - Hobby-X and ZS95SARL
- 7 - CTARC Flea market
- 7 and 8 - ARRL DX Phone
- 8 - International Women's Day; SARL YL Sprint
- Friday 12A - Paraskevidekatriphobia or Friggatriskaidekaphobia
- 14 and 15 - SARL VHF/UHF Analogue contest; RSGB Commonwealth contest
- 17 - St Patrick's Day; Highway ARC meeting; the first 1820 Settlers arrive in Cape Town
- 18 - the SARL Wednesday 80 m Club Sprint
- 20 - International Day of Happiness; Autumn Equinox (05:50); Schools close
- 20 to 29 - Secunda ARC Field Day with ZS95SARL
- 21 - Human Right's Day; World Down Syndrome Day; International Day of Forests
- 21 and 22 - BARTG HF RTTY
- 22 - World Water Day
- 23 - World Meteorological Day
- 28 - CTARC Meeting
- 28 and 29 - CQ WPX SSB
- 31 - Schools open

Nigel Jolly arrived Punta Arenas late last night/early morning. He contacted our freight agent and arranged to load the ship on Friday morning. Still on schedule to leave for Signy on Saturday."

Then on the 13th, Gene reported on the following updates, "The entire team has now arrived in Punta Arenas. We are planning our departure for Saturday, exact time to be determined. We will have immigration and customs formalities and ship clearance; we will put out a bulletin at departure time."

"Braveheart arrived Punta Arenas on Thursday morning. She will be assigned a dock on Friday morning, take on fuel, supplies and generator petrol. Customs, Immigration and health inspections will follow. DX-pedition equipment will be loaded on Friday afternoon. DX-pedition team will board the ship Saturday morning. We plan to leave Punta Arenas 3 PM – 4 PM on Saturday."

Last minute update from K5GS before going to print on 14 February, "This morning's schedule was reversed due to late arriving fuel trucks. We loaded the team's equipment first and will take on fuel this afternoon. Everything looks to be in good order and the crew is busily stowing the equipment in a particular sequence so we can reverse the process and offload in a priority sequence. The weather is cool, with some periods of rain. We had coffee with Skipper Matt and owner Nigel, then outside to watch the loading process. We are on schedule for Saturday afternoon departure."

VP8PJ will be active from the South Orkney Islands (AN-008) from approximately 21 February to 5 March. South Orkney Island is currently #16 most wanted on Clublog. QSL via M0URX, direct or OQRS (direct and Bureau). LoTW will be uploaded 6 months after DX-pedition.

The following are media pages to watch - the VP8PJ Web page is at <https://sorkney.com>; the VP8PJ Twitter page is at <https://twitter.com/SouthOrkneyDX> and the VP8PJ Groups.io group is at <https://groups.io/g/VP8PJ>

German North Pole DXpedition

Martina, DF3TS and Thomas, DC8TM will activate Svalbard as JW/home calls to start their DXpedition between 10 and 13 April. They will then be active from a Russian "Severnyi Polyus," a Scientific Polar Drifting Base (https://en.wikipedia.org/wiki/Drifting_ice_station) approximately 80 km from the North Pole on the Arctic Ocean where they will activate the WWFF area RFF-0176.

They will use their special call signs DP0LE (like POLE) and as RA/DC8TM/P and RA/DF3TS/P to represent the Russian flag of the camp between 14 and 17 April. Activity will be on 40, 30, 20 and 17 metres using SSB and FT8. Activity from the North Pole (90 Degrees North) using DP0LE, DC8TM/P and DF3TS/P will take place sometime during this time (the exact schedule will depend very much on weather conditions) on 20 metres – 14 244 kHz (+/-). Activity is limited to approximately 30 minutes! For more details and updates, watch <https://www.qrz.com/db/DC8TM>

South African Radio League RTTY Contest

The aim is to establish as many contacts as possible between radio amateurs in Southern Africa using the RTTY mode only. The contest is open to all radio amateurs in Southern Africa and takes place from 14:00 UTC to 17:00 UTC on Sunday 23 February 2020. Activity on 80 metres (3 580 to 3 600 kHz); 40 metres (7 040 to 7 060 kHz) and 20 metres (14 070 to 14 099 kHz) with RTTY is preferred at the upper end of the specified frequencies and please note that USB must be used at all times. A station may be contacted on each band. Each QSO claimed for competition credit must include contemporaneous direct initiation by the operator on both sides of the contact. Initiation of a contact may be locally or by remote.

The exchange is an RSQ report and your grid square (first 4 digits) e.g. KG33. Contacts with stations in ZS1, ZS2, ZS3, ZS4, ZS5, ZS6, 3DA, 7P, 7Q, 9J, C9, A2, D2, V5, Z2, ZD7, ZD9, ZS7, ZS8, FR, 3B8, 5R, FH and D6 are worth 3 points. Contacts with stations in the rest of the world are worth 1 point. The first contact with each area listed above will be used as a band multiplier. The scoring is Band total = QSO points X number of call areas worked per band and the final score = sum of the band totals

Logs in ADIF, Cabrillo or MS Excel format with a summary sheet and labelled "your call sign

Digital Contest," shall be submitted by 2 March 2020 by e-mail to contest@sarl.org.za. Refer to GR 3.6 and 5.1 to 5.6 for detail about logs and summary sheets.

African DX

Contacts with stations on the African continent count towards the SARL's All Africa Award (www.sarl.org.za/public/awards/awards.asp)



Morocco, CN. A group of several operators will be active as CN4M from Casablanca between 22 and 23 February. QSL via RW6HS.

Morocco, CN. Guy, F8ALU, is once again active as CN2BG until early March. Look for him on SSB generally on 14 115 or 14 130 kHz. QSL via his home call sign.

Senegal, 6W. Willy, ON4AVT, will once again be active as 6W7/ON4AVT between 16 February and 27 March. His main activity will be on 60, 40, 20 and 10 metres using mostly FT12, with some CW and SSB, with a FT-891 with 100 watts into a HyEndFed antenna. QSL via the Bureau. For more details and updates, watch https://www.on4avt.be/trip_to_senegal.htm

Senegal, 6W. Dani, EA4ATI, Dani, is once again active as 6W1/EA4ATI from Dakar until 26 February. Activity will be on 40, 20, 15 and 10 metres using SSB with a FT-857D with 100 W into a vertical antenna. QSL via EA4R or LoTW.

Côte d'Ivoire, TU. Petr, OK1BOA, Petr, OK1FCJ and David, OK6DJ will be active as TU5PCT from the Radio Club ADRASEC RCI in Abidjan, Côte d'Ivoire (Ivory Coast), between 24 and 29 February. Activity will be on 160 to 10 metres using CW, SSB, RTTY and FT8. QSL via OK6DJ, ClubLog's OQRS or LoTW. For more details and updates, see <https://www.cdxc.cz>

Tanzania, 5H. Chas, NK8O/VE3ISD, will once again be active as 5H3DX from Zinga, Tanzania, sometime between 23 February and 23 March. Activity will be from the paediatric hospital at Zinga. He will be joined by his brother-in-law, Fred, N8AX to enhance their station's operation. Fred will be issued the callsign, 5H3AX, if all goes according to plan. Usual operations will be holiday style. Power output will be the legal limit for Tanzania at 100 W and the primary antenna should be a Hexbeam configured for 40-6 metres, including the WARC bands and phased verticals for 40/30/20 metres. Operations will be primarily CW, with PSK31, FT8 and possibly SSB and 60 m. He states that he will use a simple wire antenna and his KX3 with a KXPA100 amp. See QSL info on QRZ.com. Also, QSL via LoTW and eQSL. NO Bureau. Watch QRZ.com for updates.

9J2LA Zambia DXpedition News. After an endless long process to get our Zambian license we are finally there. A big thanks to Mario, 9J2MYT (IK1MYT) and Brian, 9J2BO in Lusaka who helped us achieving this important goal. The license has been received just before the weekend. We are concentrating on our "Boy Scout trip" now. The 9J2LA team is planning to be active from Zambia between 5 and 15 March. Activity will be on 160 to 6 metres using CW, SSB, RTTY and FT8. Our QTH in Zambia is secured, bus transportation from Lusaka airport to the lodge is booked and flight tickets are purchased. We are still working on customs clearance details, but we hope that we have it sorted out soon. We will leave Oslo on 4 March at 18:45 with a scheduled arrival at Lusaka airport the day after at 12:30 local time. Let us hope that the customs clearance will go smooth and do not make too much of a headache ... however, you never know. The bus ride to the QTH is short of 2 hours, depending on traffic.

Furthermore, there is an ongoing power shedding through the whole country right now as it has been over the last few months. The reason is that the country has some issues with one of the main power electricity generators.

According to our last conversation with the lodge owner, they suffer 4 hours of power cut each evening (*welcome to Africa! Ed.*) For this reason, we are also in the process of purchasing a portable electricity generator as a backup. The rainy season that comes late this year, has been rather dry as well. Stay tuned for more updates coming up soon!

QSOs will be uploaded to ClubLog if internet access is available. QSL via M0OXO QSL service. The 9J2LA Web page is available at: <https://9j2la.com> Facebook and Twitter will be used for "Breaking News" the weeks before departure and during the Expedition. The media Web pages are FaceBook: <https://www.facebook.com/9j2la> and Twitter: <https://twitter.com/9J2LA>
73 de Rune LA7THA, 9J2LA Team Leader

African Islands

IOTA Frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz



Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 10 to 17 February 2020

Run for the Bacon QRP Contest

02:00 - 04:00 UTC, Feb 17

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Band; All Band

Max power: 5 watts

Exchange: RST, state, province or country, member no or power

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent

Multipliers: Each state, province, or country once, multiply mults by 2 if >50 members worked

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23 February 2020

E-mail logs to: (none)

Upload log at:

<http://qrpcontest.com/pigrun/autolog.php>

Mail logs to: (none)

Find rules at: <http://qrpcontest.com/pigrun/>

QRP Fox Hunt

02:00 - 03:30 UTC 19 February

Geographic Focus: United States

Participation: Worldwide

Mode: CW

Bands: 40 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 20 February 2020

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at:

www.qrpfoxhunt.org/winter_rules.htm

Phone Fray

02:30 - 03:00 UTC 19 February

Geographic Focus: North America

Participation: Worldwide

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: NA: Name and state, province or country; non-NA: Name

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory

once per band; Each North American country (except W/VE) once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 03:00 UTC 21 February 2020
E-mail logs to: (none)
Post log summary at: www.3830scores.com
Mail logs to: (none)
Find rules at:
[www.perluma.com/Phone Fray Contest Rule s.pdf](http://www.perluma.com/Phone_Fray_Contest_Rule_s.pdf)

CWops Mini-CWT Test
13:00 - 14:00 UTC and 19:00 - 20:00 UTC 19 February and 03:00 - 04:00 UTC 20 February
Geographic Focus: Worldwide
Participation: Worldwide
Awards: Worldwide
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op - QRP, low or high
Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts
Exchange: Member: Name and member no non-Member: Name and state, province or country
Work stations: Once per band
QSO Points: 1 point per QSO
Multipliers: Each call once
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 04:00 UTC 22 February 2020
Post log summary at: www.3830scores.com
Mail logs to: (none)
Find rules at: <https://cwops.org/cwops-tests/>

AGCW Semi-Automatic Key Evening
19:00 – 20:30 UTC 19 February
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW
Bands: 80 m Only
Classes: (none)
Exchange: RST, serial no, "/" and 2-digit year first used a bug
Work stations: Once per band
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 14 March 2020

E-mail logs to: semiautomatic@agcw.de
Mail logs to: Volker Enderlein, DJ9BM, Gottfried Keller Str. 7a, D53757 Sankt Augustin, Germany
Find rules at:
www.agcw.org/index.php/en/contests-and-cw-activities/semi-automatic-key-evening

NCCC RTTY Sprint
01:45 - 02:15 UTC 21 February
Geographic Focus: North America
Participation: Worldwide
Mode: RTTY
Bands: (see rules)
Classes: (none)
Exchange: Serial no, name and QTH
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 23 February 2020
E-mail logs to: (none)
Post log summary at:
www.3830scores.com/
Mail logs to: (none)
Find rules at:
www.ncccsprint.com/rttyns.html

QRP Fox Hunt
02:00 - 03:30 UTC 21 February
Geographic Focus: United States
Participation: Worldwide
Mode: CW
Bands: 80 m Only
Classes: Single Op - fox or hound
Max power: 5 watts
Exchange: RST, state, province or country, name and power output
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 03:30 UTC 22 February 2020
E-mail logs to: (see rules)
Mail logs to: (none)
Find rules at:
www.qrpfoxhunt.org/winter_rules.htm

NCCC Sprint
02:30 - 03:00 UTC 21 February
Geographic Focus: North America
Participation: Worldwide
Mode: CW
Bands: (see rules)
Classes: (none)
Exchange: Serial no, name and QTH
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 23 February 2020
E-mail logs to: (none)
Post log summary at:
www.3830scores.com/
Mail logs to: (none)
Find rules at:
www.ncccsprint.com/rules.html

CQ 160-Metre SSB Contest
22:00 UTC 21 February to 22:00 UTC 23 February
Geographic Focus: Worldwide
Participation: Worldwide
Awards: Worldwide
Mode: SSB
Bands: 160 m Only
Classes: Single Op - low or high; Single Op Assisted - QRP, low or high; Multi-Op - high
Max operating hours: Single Op: 30 hours; Multi-Op: 40 hours
Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts
Exchange: W/VE: RS and state or province; DX: RS and CQ Zone
QSO Points: 2 points per QSO with own country; 5 points per QSO with other countries on same continent; 10 points per QSO with other continents; 5 points per QSO with maritime mobile
Multipliers: Each US state and DC (excluding KH6/KL7); Each VE province; Each DXCC and WAE country (including KH6/KL7)
Score Calculation: Total score = total QSO points x total mults

Submit logs by: 22:00 UTC 28 February 2020
E-mail logs to: (none)
Upload log at: www.cq160.com/logcheck/
Mail logs to: (none)
Find rules at: www.cq160.com/rules.htm

REF SSB Contest
06:00 UTC 22 February to 18:00 UTC 23 February
Geographic Focus: France and overseas territories
Participation: Worldwide
Awards: Worldwide
Mode: SSB
Bands: 80, 40, 20, 15, 10 m
Classes: Single Op All Band; Single Op Single Band; Multi-Single; Club; SWL
Max operating hours: Single Op: 28 hours in no more than 3 increments of at least 1 hour each
Max power: HP: >100 Watts; LP: 100 Watts; QRP: 5 Watts
Exchange: French: RS and Department or Prefix; non-French: RS and serial no
Work stations: Once per band
QSO Points: French: 6 points per QSO with French station same continent; French: 15 points per QSO with French station on different continent; French: 1 point per QSO with non-French station same continent; French: 2 points per QSO with non-French station on different continent; non-French: 1 point per QSO with French station same continent; non-French: 3 points per QSO with French station on different continent
Multipliers: French/Corsica departments once per band; French overseas prefixes once per band; non-French DXCC countries once per band (available only to French stations)
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 2 March 2020
E-mail logs to: (none)

Upload log at: <http://concours.r-e-f.org/contest/logs/upload-form>
Mail logs to: (none)
Find rules at: http://concours.r-e-f.org/reglements/actuels/reg_cdfhf_dx.pdf

UK/EI DX CW Contest
12:00 UTC 22 February to 12:00 UTC 23 February
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW
Bands: 80, 40, 20, 15, 10 m
Classes: Single Op Unconnected - 24 or 12 - QRP, low or high; Single Op Connected - 24 or 12 - QRP, low or high; Single Op Overlay: Single-Element-Antenna
Multi-Single - QRP, low or high
Max power: HP: >100 W; LP: 100 W; QRP: 5 W
Exchange: UK/EI: RST, serial no and District Code; DX: RST and serial no
QSO Points: (see rules)
Multipliers: Each DXCC country once per band; Each UK/EI district once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 14:00 UTC 23 February 2020
Upload log at: <http://logs.ukaicc.com/cgi-bin/hfenter.pl>
Mail logs to: (none)
Find rules at: www.ukaicc.com/dx-contest-rules.php

SARL RTTY Contest
14:00 - 17:00 UTC 23 February
Geographic Focus: Southern Africa
Participation: Southern Africa
Awards: Southern Africa
Mode: RTTY
Bands: 80, 40, 20 m
Classes: (none)
Exchange: RST and QSO no
Work stations: Once per mode per band
QSO Points: (see rules)
Multipliers: (see rules)
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 2 March 2020
E-mail logs to: contest@sarl.org.za
Mail logs to: (none)

Find rules at: www.sarl.org.za/Web3/Members/DoDocDownload.aspx?X=20191211183027qzNhZFo0EI.PDF

High Speed Club CW Contest
15:00 - 18:00 UTC 23 February
Geographic Focus: Worldwide
Participation: Worldwide
Awards: Worldwide
Mode: CW
Bands: 80, 40, 20, 15, 10 m
Classes: HSC Members; Non-Members; QRP; SWL
Max power: 150 watts; QRP: 5 watts
Exchange: Members: RST and HSC no; non-Members: RST and "NM"
Work stations: Once per band per period
QSO Points: 5 points per QSO with a HSC member; 1 points per QSO with a non-member
Multipliers: Each DXCC country once per band per contest period (only QSOs with members)
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 8 March 2020
E-mail logs to: (none)
Upload log at: <https://sites.google.com/view/hsc-contest>
Mail logs to: (none)
Find rules at: www.highspeedclub.org/

QCX Challenge
13:00 - 14:00 UTC and 19:00 - 20:00 UTC 24 February and 03:00 - 04:00 UTC 25 February
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op
Max power: HP: >5 watts; QRP: 5 watts
Exchange: RST, name, state, province or country and rig
Work stations: Once per band
QSO Points: 3 points per QSO with QCX station; 1 point per QSO with non-QCX station
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 04:00 UTC 27 February 2020
Post log summary at: www.3830scores.com
Mail logs to: (none)
Find rules at: www.grp-labs.com/party.html

Next Week's Contests

QCX Challenge, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 24 February and 03:00 - 04:00 UTC 25 February
SKCC Sprint, 00:00 - 02:00 UTC 26 February
QRP Fox Hunt, 02:00 - 03:30 UTC 26 February
Phone Fray, 02:30 - 03:00 UTC 26 February
CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 26 February and 03:00 - 04:00 UTC 27 February
UKEICC 80 m Contest, 20:00 - 21:00 UTC 26 February
RSGB 80 m Club CW Championship, 20:00 - 21:30 UTC 27 February
NCCC RTTY Sprint, 01:45 - 02:15 UTC 28 February
QRP Fox Hunt, 02:00 - 03:30 UTC 28 February
NCCC Sprint, 02:30 - 03:00 UTC 28 February
Feld Hell Sprint, 00:00 - 23:59 UTC 29 February
SARL 95 40 m Club Sprint, 12:00 - 13:00 UTC 29 February
FTn DX Contest, 12:00 UTC 29 February to 12:00 UTC 1 March
UBA DX CW Contest, 13:00 UTC 29 February to 13:00 UTC 1 March
South Carolina QSO Party, 15:00 UTC 29 February to 01:59 UTC 1 March
North American RTTY QSO Party, 18:00 UTC 29 February to 05:59 UTC 1 March
NA Collegiate RTTY Championship, 18:00 UTC 29 February to 05:59 UTC 1 March
NSARA Contest, 12:00 - 16:00 UTC and 18:00 - 22:00 UTC 1 March
SARL Hamnet 40 m Simulated Emergency Contest, 12:00 - 14:00 UTC 1 March
North Carolina QSO Party, 15:00 UTC 1 March to 00:59 UTC 2 March
RSGB 80 m Club Data Championship, 20:00 - 21:30 UTC 2 March
ARS Spartan Sprint, 02:00 - 04:00 UTC 3 March
AGCW YL-CW Party, 19:00 - 21:00 UTC 3 March

Southern African Fauna and Flora <https://zsfaunaandflora.wordpress.com/>
Zone 38 Award and others <https://zone38award.wordpress.com/>
Worldwide List of HF Beacons <https://iaruhfbeacons.wordpress.com/>
5 MHz (60 metre) allocations <http://www.sarl.org.za/public/contests/contestrules.asp>
IARU Monitoring Service <http://www.sarl.org.za/public/monitor/monitor.asp>

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter